IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Woelk et al.

U.S.S.N.: Not Yet Assigned Art Unit: Not Yet Assigned

FILED: Herewith Examiner: Not Yet Assigned

FOR: GERMANIUM COMPOUNDS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Examiner are listed on the PTO-1449 form, attached hereto.

II. <u>COPIES</u>

Submitted herewith is a legible copy of (i) each U.S and foreign patent or English abstract of foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

III. CONCISE EXPLANATION OF THE RELEVANCE

All of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

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IV.	THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b) (check one box)							
	a. 🔀	within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.						
	b	within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.						
	c. 🗌	before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).						
V.	THIS IDS IS (check one box	BEING FILED UNDER 37 C.F.R. § 1.97(c):						
	before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1. (2)).							
	a. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R § 1.17(p).							
	b. See the	or e certification below. No fee is required.						
VI.	CERTIFICA	TION UNDER 37 C.F.R. § 1.97(e) (check only one box)						
The un	dersigned hereb	y certifies that						
	a. 🔲	each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or						
	b. 🗌	no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. & 1.56(c) more than three months prior to the filing of this statement						

1105.

	c	Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.
		Enclosed please find a check in the amount of \$ for the above indicated fee.
		Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee. A triplicate copy of this paper is attached.
X		No fee is required.

Respectfully submitted,

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 04-

S. Matthew Cairns (Reg. No. 42,378)

EDWARDS & ANGELL, LLP

P.O. Box 55874 Boston, MA 02205 (508) 229-7545

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO 51898		SERIAL NO. Not Yet Assigned		
				APPLICANT(S): Woelk et al.				
				FILING DATE: ART UNIT: Herewith Not Yet Assigned				
		FORE	IGN PATENT DO	CUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN YES/NO	
	BA	626,398	04/15/1946	United Kingdom				
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	OTHER CA	Dittmar et al., Cyclopent	adienyl Germanes	as Novel Precursors for			nium	
-	СВ	Films, Chem. Vap. Deposition 2001, 7, No. 5, pp. 193-195. Harrison et al., "Predeposition Chemistry Underlying the Formation of Germanium Films by CVD of						
	СС	Tetravinylgermane", Chem. Mater. 1994, 6, pp. 1620-1626. Hoffman et al., "Plasma-enhanced chemical vapor deposition of silicon, germanium, and tin nitride thin films from metalorganic precursors", J. Vac. Sci. Technol. A 13(3), May/Jun 1995, pp. 820-825.						
	CD	O. Johnson, "The Germanes and Their Organo Derivatives", Chem. Rev. 1951, 48, 259, pp. 259-297.						
	CE	Kidd et al., "Germanium-73 Nuclear Magnetic Resonance Spectra of Germanium Tetrahalides", Journal of American Chemical Society, 95:1, January 10, 1973, pp. 88-90.						
	CF	H. Ohshima, "Organo-germanium adsorption on a silicon surface by excimer light irradiation", Applied Surface Science 107 (1996) pp. 85-89.						
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	СН	Sulkes et al., "Molecular precursors", Chemical P			from Group-14	organom	etallic	
	CI	D. Smith, "Structural Pr Philosophical Magazine			oon alloys grow	on Si (10	00);	
	CJ	Todd et al., "Influence of Mat. Res. Soc. Symp. Pro			on-Carbon Ger	manium A	Alloys",	
Examiner:	-			Date:				

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INFORMATION DISCLOSURE STATEMENT A FI				ATTY DOCKET NO.	SERIA	SERIAL NO. Not Yet Assigned		
				51898	Not Yet			
				APPLICANT(S): Woelk et al.				
				FILING DATE:	ART U	ART UNIT: Not Yet Assigned		
				Herewith	Not Yet			
		UNITED S	FATES PATENT	DOCUMENTS				
EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPR	
	AA	2,444,270	06/29/1948	E. Rochow			•	
	AB	3,446,824	05/27/1969	K. Moedritzer				
	AC	4,506,815	03/26/1985	Melas et al.				
	AD	3,470,220	09/30/1969	Moedritzer et al.				
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<u> </u>	AS	2003/0082300	05/01/2003	Todd et al.				
	AT	2003/0111013	06/19/2003	Oosterlaken et al				
Examiner:	<u> </u>			Date:				